

RASZEJA, Stefan

~~Critical~~ evaluation of cranial injuries on a corpse of a hanged person. Arch.med.sad., Warszawa 6:52-57 1955.

1. Z Zakładu Medycyny Sadowej A.M. w Poznaniu. Kierownik: prof. dr. S. Schilling-Siengalewicz.

(CRANIUM, wounds and injuries,
after death by suicidal hanging, medicolegal evaluation)
(SUICIDE
by hanging, cranial inj. after death, medicolegal evaluation)

(WOUNDS AND INJURIES
cranium, after suicidal death by hanging, medicolegal evaluation)

(HANGING
suicide, cranial inj. after death, medicolegal evaluation)

RASZEJA, Stefan

Unusual picture of morphological changes in poisoning with
supposedly edible mushrooms. Pat.polska 11 no.2:113-123 '60.

1. Z Zakladu Medycyny Sadowej A.M. w Poznaniu Kierownik: doc.
dr E.Chroscielewski.
(MUSHROOMS toxicol)

RASZEJA, Stefan

Parasites of the brain as the cause of sudden death. Arch.med.
sad., Warszawa 6:61-66 1955.

1. Z Zakładu Medycyny Sadowej A.M. w Poznaniu. Kierownik: prof.
dr S. Schilling-Stengalewicz i z Kliniki Chorob Wewnętrznych
A.M. w Poznaniu. Kierownik: prof. dr S. Kwasniewski.

(DEATH SUDDEN,

caused by brain parasites, diag.)

(PARASITES,

Echinococcus unilocularis in brain, causing sudden
death, diag.)

(BRAIN,

Echinococcus unilocularis in, causing sudden death)

JERZYKOWSKA, Kazimiera; RASZEJA, Stefan; SEYFRIEDOWA, Halina.

Hyaline membranes in newborn infants; clinical observations and morphological studies. Polski tygod.lek.10 no.47:1521-1527 21 Nov. '55.

1. Z Kliniki Położniczo-Ginekologicznej Akademii Medycznej w Poznaniu; kierownik: prof. dr I. Rosskowski; kierownik: naukowy Oddziału Noworodków; prof. dr K. Jonszher i z Zakładu Medycyny Sądowej Akad. Medycznej w Poznaniu; p.o. kierownika: dr. E. Chroscielewski. Poznań ul. Świecickiego 6. Zakład Medycyny Sądowej A.M.

(LUNGS, diseases,
hyaline membrane)
(INFANT, NEWBORN, diseases,
pulm.hyaline membrane)

RASZEJA, Stefan
CHROSCIELEWSKI, Edmund; RASZEJA, Stefan; SZPERL-SEYFRIEDOWA, Halina

Patho-morphology of pulmonary atelectasis in newborn infants.
Pediat, polska 29 no.5:523-532 May 54.

1. Z Zakladu Medycyny Sadowej Akademii Medycznej w Poznaniu.

Kierownik: prof. dr S. Schilling-Siengalewicz.

(ATELECTASIS, in infant and child,
newborn)

(INFANT, NEWBORN, diseases,
atelectasis)

RASZEJA, Stefan (Poznan, Seiscickiego 6)

Mortality in mushroom poisoning with special reference to medico-legal diagnosis. Pat. polska 5 no.2:81-103 Apr-June 54.

1. Z Zakladu Medycyny Sadowej Akademii Medycznej w Poznaniu. Dyrektor:
prof. dr S.Schilling-Siegalowicz.
(MUSHROOMS, poisoning.)
(POISONING,
mushrooms)

RASZEJA, Stefan

RASZEJA, Stefan; SZPERL-SZYFRIKOWA, Halina; CHROSCIELEWSKI, Edmund

Studies on pathomorphology of atelectasis in newborn infants.
Pediat. polska 29 no.6:577-586 June 54.

1. Z Zakladu Medycyny Sadowej Akademii Medycznej w Poznaniu.
Kierownik: prof. dr. med. S. Schilling-Siegalowicz.
(ATELECTASIS, in infant and child,
newborn)
(INFANT, NEWBORN, diseases,
atelectasis)

WYSOCKI, Kazimierz; RUSZKOWSKI, Marian; HASZEJA, Stefan

Severe toxic damage of kidneys in course of poisoning with Cortinarius orellanus. Polski tygod. lek. 13 no.34:1314-1317 25 Aug 58.

1. Z II Kliniki Chorob Wewnętrznych A. M. w Poznaniu; kierownik: prof. dr J. Roguski. Z. Oddziału Chorob Wewnętrznych Szpitala Miejskiego nr 2 w Poznaniu; ordynator: doc. dr K. Wysocki. Z. Zakładu Medycyny Sadowej A.M. w Poznaniu; kierownik: doc. dr E. Chroscielewski. Adres: Poznan, ul. Przybyszewskiego 49. II Klinika Chorob Wewn. A. M.

(MUSHROOMS, pois.

Cortinarius orellanus pois., renal pathol. (Pol))

(KIDNEYS, pathol.

in Cortinarius orellanus pois. (Pol))

RASZEJA, Stefan (Poznan, ul. Swieczickiego 6.)

Diagnosis of fatal *Gyromitra esculenta* poisoning. Pat. polska 10
1:35-60 Jan-Mar 59.

1. Z Zakladu Medycyny Sadowej A.M. w Poznaniu Kierownik: doc. dr
B. Chroscielewski.

(MUSHROOMS,

Gyromitra esculenta pois., diag. of fatal cases (Pol))

RASZEJA, Stefan

Medico-legal determination of duration of pregnancy in paternity cases. Gln. polska 28 no.4:509-518 July-Aug 56.

1. Z Zakładu Medycyny Sadowej A.M. w Poznaniu. Kierownik:
doc. dr. E. Chroscielewski. Poznan, ul. Swieczkiego 6.
Zaklad Medycyny Sadowej.

(PATERNITY,

medico-legal determ. of duration of pregn. in
paternity cases (Pol))

(PREGNANCY,

same)

RASZEJA, Stefan

Use of hemagglutinins and hemolysins obtained from higher fungi
for medico-legal studies. Pozn. tow. przyjac. nauk wydz. lek.
28:217-284 '64.

RASZEJA, Wanda

Research on the components of Cortex Viburni opuli. IV. Inst
przem ziel Biul 8 no.3:122-133 S '62.

1. Zaklad Fitochemii, Instytut Przemyslu Zielarskiego, Poznan.
Kierownik: dr F.Kaczmarek.

KACZMAREK, Feliks, dr; RASZEJA, Wanda

Preliminary chemical studies on *Lotus tetragonolobus* L. Inst
przem ziel Biul 9 no. 3:111-114 S '63.

1. Zaklad Fitochemii, Instytut Przemyslu Zielarskiego,
Poznan. Kierownik Zakladu: dr. F. Kaczmarek.

SZERESZEWSKA, Halina; RASZCJA-WANIC, Bozena; JASINSKI, Kazimierz;
WOLDKA, Emilia

Effect of hydrochlorothiazide on water-electrolyte balance in
diabetes insipidus. Polskie arch. med. wewn. 31 no.11:1513-1522
'61.

1. Z I Kliniki Chorob Wewnętrznych AM w Poznaniu Kierownik: prof.
dr med. S.Kwasniewski.

(CHLOROTHIAZIDE ther) (DIABETES INSIPIDUS ther)
(WATER ELECTROLYTE BALANCE pharmacol)

SZERESZEWSKA, Halina; JASINSKI, Kazimierz; RASZLJA-WANIC, Bozena;
WACHOWIAK, Antoni; ADAMIAK, Stanislaw

The status of pCO_2 of the urine in different types of diuresis.
Pol. arch. med. wewnet. 35 no.4:517-523 '65.

1. Z 1 Kliniki Chorob Wewnetrznych AM w Poznaniu (Kierownik:
doc. cr. med. K. Jasinski).

RASZEJA-WANIC, Bozena; JASINSKI, Kazimierz; SMARSZ, Czeslaw

Clinical value of the determination of the thiosulfate space in disorders of water & mineral metabolism. Polskie arch. med. wewn. 28 no.4:504-505 1958.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Poznaniu Kierownik: prof. dr med. S. Kwasniewski.

(BODY FLUID BALANCE,

disord., clin. value of determ. of extracellular thiosulfate space (Pol))

(THIOSULFATES, metab.

extracellular thiosulfate space, clin. value of determ. in water-electrolyte disord. (Pol))

RASZEJA-WANIC, Bożena

Clinical considerations on pyelonephritis. Polski tygod. lek. 13
no. 15:553-557 14 Apr 58

1. (Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Poznaniu;
kierownik: prof. dr med. Stefan Kwasniewski). Adres: Poznań, ul. Długa
1/2 I Klin. Chorob Wewn. A.M.
(PYELONEPHRITIS, case reports, (Pol))

RASZEJA-WANIC, Bożena; JASINSKI, Kazimierz

Amyloid nephrosis during rheumatoid arthritis. Polskie arch. med.
wewn. 27 no.1:75-81 1957.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Poznaniu Kierownik:
prof. dr. S. Kwasniewski. Adres autora: poznan, ul. Długa 1/2
I Klinika Chor. Wewn. A.M.

(ARTHRITIS, RHEUMATOID, compl.
nephrosis, amyloid (Pol))

(NEPHROSIS, compl.
amyloid, with rheum. arthritis (Pol))

RASZEJA-WANIC, Bożena

Studies on the behavior of Congo red in the circulating blood in normal subjects and in some pathological conditions. Polskie arch. med. wewn. 31 no.7:971-982 '61.

1. Z I Kliniki Chorob Wewnętrznych AM w Poznaniu Kierownik: prof. dr med. S. Kwasniewski.

(BLOOD CIRCULATION) (AZO COMPOUNDS)

JASINSKI, Kazimierz; RASZEJA-WANIC, Bozana; KUBACKI, Andrzej; SMARSZ, Czeslaw

Effect of prolonged application of massive doses of cortisone on the osseous system and certain biochemical and histological changes in rabbits. Polskie arch.med.wewn. 30 no.6:839-841 '60.

1. Z I Kliniki Chorob Wewnętrznych A.M. w Poznaniu Kierownik:
prof. dr med. S.Kwasniewski.
(CORTISONE pharmacol)
(BONE AND BONES pharmacol)

ERYTHREMIA-WANIC, Bożena (Poznań, ul. Długa 1/2. I Klin. Chor. Wewn. ...)

Subacute course of erythremic myelosis. Polski tygod. lek. 12 nr. 2:
1237-1239 5 Aug; 57.

1. (Z I Kliniki Chorob Wewnętrznych Akademii Medycznej w Poznaniu;
kierownik: prof. dr Stefan Kwasniewski).
(POLYCYTHEMIA-VERA, case reports,
erythremic myelosis (Pol))

HANZLICH-WANKE, Bozena; HANZLICH, Artur

Association of rheumatoid arthritis with periarteritis nodosa.
Pol. tyg. lek. 20 no.15:537-539 12 Ap '65.

1. Z I Kliniki Choroib Wewnetrznych AM w Poznaniu (Kierownik:
doc. dr. K. Jasinaki).

RASCHKE, B. G.

hepatic syndromes in chronic progressive pneumonia. Vol.
Arch. med. wewn. 34 no. 13:1349-1357 1964

1. Z. T. Kliniki Chorob Płuc i Narządów
Dychania (Kierownik doc. dr. med. K. Jasieński).

RASZEJA-WANIC, Bożena; JASINSKI, Kazimierz; SMARZ, Czesław

Therapeutic value of blood transfusion in kidney diseases.
Polskie arch. med. wewn. 26 no.8:1225-1233 1956.

1. Z I Kliniki Chorob Wewn. A.M. w Poznaniu. Kierownik: prof.
dr. med. S. Kwaśniewski, Poznań, I Klinika Chor. Wewn. A.M.
(KIDNEY DISEASES, therapy,
blood transfusion (Pol))
(BLOOD TRANSFUSION, in various diseases,
kidney dis. (Pol))

C-3-44444444
Hood, & other books
(page)

1572. Microchemical determination of caffeine in 0.1 c.c. of plasma. Application of the hydroxylation method. S. Maserjany & (C.R. Claux Med. Acad. pub., 1950, 8-9).—The technique of the laboratory procedure is described in detail. Using this method, the average error is 0.7%. H. Fox.

RASZEK, Jan; WYSZYNSKA, Teresa

Critical evaluation of various therapeutic methods in the nephrotic syndrome in children. *Pediat. pol.* 37 no.8:781-792 Ag '62.

1. Z Oddziału Klinicznego Chorob Wewnętrznych Instytutu Matki i Dziecka w Warszawie Dyrektor Instytutu: prof. dr med. Fr. Groer
Kierownik Oddziału: prof. dr med. J. Raszek.
(NEPHROTIC SYNDROME)

LENARTOWSKA, Irena; KOSLACZ-FOLGA, Anna; RASZEK, Jan

Periodic vomiting in children as a form of diencephalosis.
Pediat. pol. 38 no.2:133-143 '63.

1. Z Oddzialu Chorob Wewnetrznych Kierownik: prof. dr med.
J. Raszek i z Zakladu Fizjopatologii Kierownik: doc. dr med.
A. Chroscicki Instytutu Matki i Dziecka w Warszawie Dyrektor:
prof. dr med. B. Gornicki.

(VOMITING) (ACIDOSIS) (HYPOGLYCEMIA)
(DIENTEPHALON)

RASZEK, Jan; WYSZYNSKA, Teresa

Results of treatment of nephrotic syndrome with the lipotropic factor of the pancreas (lipocaic). Polski tygod. lek. 13 no.50:2017-2021. 15 Dec 58.

1. Z Oddzialu Klinicznego Chorob Wewnetrznych Dziecki; kierownik doc. dr Jan Raszek; Instytut Matki i Dziecka w Warszawie; dyrektor: prof. dr Franciszek Groer. Adres: Warszawa, ul. Kasprzaka 17, Instytutu Matki i Dziecka.

(NEPHROTIC SYNDROME, ther.
lipocaic (Pol))

(LIPOCAIC, ther. use
nephrotic synd. (Pol))

RASZEK, Jan; WYSZYNSKA, Teresa

A case of familial nephrotuberculosis. *Pediat. polska* 32 no.12:1399-1401
Dec 57.

1. Z Kliniki Chor. Wewn. Dzieci Instytutu Matki i Dziecka w Warszawie.
Dyrektor Instytutu; prof. F. Groer. Kierownik Kliniki: doc. J. Raszek.
(TUBERCULOSIS, RENAL, case reports
familial (Pol))

RASZEK, Jan; LENARTOWSKA, Irena

Contribution to the etiology of Laurence-Moon-Bardet-Biedl syndrome.
Endokr. pol. 12 no.5:493-499 '61.

1. Klinika Chorob Wewnętrznych Dzieci AM w Warszawie Kierownik:
prof. dr J. Raszek Instytut Matki i Dziecka w Warszawie Dyrektor:
prof. dr F.Groer.
(LAURENCE MOON BIEDL SYNDROME etiol)

RASZEK, Jan.; WYSZYNSKA, Teresa

Typical complications in nephrotic syndrome (abdominal crisis and erysipeloid). *Pediatr pol* 36 no.9:959-962 S '61.

1. Z Kliniki Chorob Wewnętrznych Kierownik: prof. dr med. J. Raszek
Instytutu Matki i Dziecka w Warszawie Dyrektor: prof. dr med. Fr. Groer.
(NEPHROTIC SYNDROME compl) (ABDOMEN ACUTE etiol)
(DERMATITIS etiol)

MAREK, K.; RASZEWSKA, H. (Wroclaw)

Oral vaccination of chickens against the Newcastle disease with P¹⁰⁷
strain administered through the drinking water; second report.
Rocz nauk roln wet 70 no.1/4:231 '60. (KEAI 10:9)

(Poultry) (Vaccines and vaccination) (Newcastle disease)
(Antigens and antibodies) (Drinking water)

POLAND

JESKO-GRUNDOROCK, Jadwiga, Dr. and RASZEWSKA, Halina of the Department of Biochemistry (Zaklad Biochemii) (Director: Prof. Dr. J. SKULMOWSKI) and of the Department of Poultry Diseases (Zaklad Chorob Drobiu) (Director: Docent, Dr. K. MARAK), both of the Veterinary Institute (Instytut Weterynarii) in Pulawy.

"Relation of Serum Protein Fractions Level and HI and SN Titre Tests to Mode of Inoculation with 'P' Vaccine Against Newcastle Disease."

Warsaw-Lublin, Medycyna Weterynaryjna, Vol 16, No 9, Sep 62, pp 315-337.

Abstract: [Authors' English summary modified] Materials, procedure, and results are given on the above study in 23 hens. Inoculation was made via the nose, intramuscularly, and into the wing. Results are discussed indicating that immunity, as demonstrated by SN test, is probably due to alpha globulin fraction, and that vaccination via nose is most effective. Of the ten references, four are English, and the rest Polish.

SURNAME, Given Names

Country: Poland

Academic Degrees:

Affiliation:

Sources:

Data:

Department of Poultry Diseases, Veterinary Institute (Zaklad Chorob Drobiu, Instytut Weterynarii), Pulawy; Director (Kierownik): Doc Dr Kazimierz Marek

Lublin, Medycyna Weterynaryjna, Vol XVII, No 10, October 1961, pp 577-579

"Studies of the Immunizing Value of Vaccine F Against Newcastle Disease Virus Administered to the Respiratory System."

Authors:

MAREK, Kazimierz, Doc Dr

RASZEWSKA, Helena [Academic Degrees not given]

BORZEWSKA, Wanda [Academic Degrees not given]

690 981643

POLAND / Pharmacology, Toxicology, Cardiovascular
Drugs. V

Abstr Jour : Ref Zhur - Biol., No 20, 1958, No 94293

Authors : Rozwadowska-Dowzenko, Maria; Olejniczak, Pawol;
Przybyl, Loszek; Raszowski, Jan.

Inst : Not given

Title : The Results of Treating Hypertonic Disease with
Carboethoxy-Hydrazino-Phthalazine Hydrochloride.

Orig Pub : Polski tygod. lekar., 1957, 12, No. 20, 747-751.

Abstract : The systolic and diastolic arterial pressure of
16 out of 20 patients with hypertonic disease de-
creased as a result of treatment (the daily do-
sage of the preparation was 60 mg; I). An impro-
vement in the general state of health and sleep
and the stopping of headaches were observed in
every patient, while slowing down of the heart

Card 1/2

RASZKA, Jan, inz.; BIESOVA, Marie, inz.

A world record: Extraction of 55,114 tons of coal in 31 working days at the Dukla Mine. Uhli 4 no.9:291-297 S '62.

1. Dul Dukla Dolni Sucha, Ostravsko-Karvinsky revir.

RASZKA, Pawel, technik

Construction and setting of a steam thermocompressor aimed at
utilizing the vapor heat from secondary vaporization.
Gosp paliw 11 Special issue no.(95):18-19 Ja '63.

1. Dolnoslaskie Zaklady Wytworcze Maszyn Elektrycznych,
Wroclaw.

RASZKA, Pawel, technik

Construction and setting of a stream thermocompressor aimed at utilizing the vapor heat from secondary vaporization. Gosp paliw 11 Special issue no.(95):18-19 Ja '63.

1. Dolnoslaskie Zaklady Wytworcze Maszyn Elektrycznych, Wroclaw.

32721

H/008/62/000/001/002/002
B122/B102

26.2231

AUTHORS: Némét, G., Raszl, K., Szabadon, L., Szeghő, L., Török, A.

TITLE: Steady-state heat distribution in a cylindrical-symmetric unit cell of the active zone of heterogeneous reactors in the case of convective heat transfer

PERIODICAL: Energia és Atomtechnika, no. 1, 1962, 41 - 46

TEXT: Part II. Determination of A_n coefficients. In Part I it was found that the solution of differential equation $T(r,z)$ was given by the sum of Laplace's equation (in the form of an infinite series) and of Poisson's equation (in closed form): $T(r,z) = T_0(r,z) + T_1(r,z)$ (51). In the solution of this differential equation the unknown coefficients A_n ($n = 0, 1, 2, 3, \dots$) arise. A practicable way of calculating these coefficients is the application of equation systems with an infinite number of unknowns. (Reference is made here and in the following to L. V. Kantorovich and V. I. Krylov: Approximate methods of higher analysis (Hungarian edition, Budapest, 1955)). By this method the following two

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H/008/62/000/001/002/002
B122/B102

Steady-state heat distribution...

equations are found to yield the system of equations with an infinite number of unknowns for the determination of the A_n :

$$A_0 = B_0 - \sum_{n=1}^{\infty} A_n \frac{r_n}{1B_n} [1 - (-1)^n] \quad (n = 1, 2, 3, \dots) \quad (73) \text{ and}$$

$$A_k = \frac{B_k}{p_k} - \frac{1}{p_k} \sum_{n=1}^{\infty} A_n \frac{2r_n \beta_n}{1(\beta_n^2 - \beta_k^2)} [1 - (-1)^{n+k}] \quad (74) \quad (n = 1, 2, \dots, (k-1), (k+1), \dots)$$

Coefficients B_0 and B_k are computable Fourier coefficients of $f(z)$. By substitution of $A_k p_k = X_k$ into equation (74), this equation is transformed to a system of entirely regular equations having (according to a thesis of Kantorovich-Krylov) but one solution which can be determined by the method of successive approximations. $B_k = O(1/k^2)$; from a thesis of the above Soviet authors it follows that $X_k = O(1/k^2)$, for the unique solution of the entirely regular equation system tends toward zero with

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B122/B102

Steady-state heat distribution...

$k \rightarrow \infty$. In zeroth approximation $A_k^{(0)} = 0$, in first $A_k^{(1)} = B_k/p_k$. Coefficients A_k and B_k have been computed with data given in Part I and are plotted as functions of k . In the following the differential equation of heat transfer for an infinitely long fuel element ($\partial^2 T^*/\partial z^2 = 0$) is solved. Against the correct solution of the differential equation of temperature distribution in the fuel element $T(r, z)$ and of the longitudinal temperature distribution $t(z)$ in the coolant developed in Part I, axial heat transfer (in direction z) is neglected here. For this case, $\partial^2 T^*/\partial z^2 = 0$. This neglect considered, the corresponding approximate solutions $T^*(r, z)$ and $t^*(z)$ are obtained. Correct and approximate solutions are compared in the following. From graphs for the temperature distribution in three given cross sections of the fuel element and those for the longitudinal temperature distribution in the coolant, it is evident that differences between results of accurate and approximate calculations amount to a few % for the former, and only some hundredths of % for the latter. The error resulting from the neglect of axial heat transfer increases with the cross section of the fuel element.

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U/008/62/000/001/002/002

B/22/B/02

Steady-state heat distribution...

and with its thermal conductivity, and decreases with its length. If the slenderness ratio of the fuel element $2Ro/l > 0.05$, and the thermal conductivity of its material $\lambda > 10 \text{ kcal/m}$, the more elaborate pattern is commensurate, especially if the heat-flux density on its mantle is low. Differential equations have been solved for bare fuel elements only. There are 9 figures and 13 references, 12 Soviet-bloc and 1 non-Soviet-bloc.

ASSOCIATION: Kibernetika Fizikal'nyi Kutatse Intézet (Central Research Institute of Physics)

Card 4/4

ACC NR: AF6008148

SOURCE CODE: HU/0008/65/000/011/0527/0535

AUTHOR: Raszl, Karoly (Graduate mechanical engineer)

ORG: Power Plant and Network Planning Enterprise (Ercmu-es Halozattervezo Vallalat)

TITLE: University reactor 19

SOURCE: Energia es atomtechnika, no. 11, 1965, 527-535

TOPIC TAGS: ~~nuclear reactor component, nuclear reactor control, nuclear reactor material~~ nuclear research reactor, water cooled reactor

ABSTRACT: The author gives a detailed description of the Hungarian University reactor, which is primarily used for teaching purposes, including nuclear measurement facilities, radiation chemistry, dosimetry, radiation protection, and study of short-lived isotopes. It is a water cooled reactor using 10% enriched uranium dioxide (U^{235}) fuel. Orig. art. has: 17 figures. [KS]

SUB CODE: 18/ SUBM DATE: none

Card 1/1

S/262/62/000/007/001/016
1007/1207

AUTHOR: Németh, Géza, Raszi, Károly, Szabados László, Szeghő, László and Torok, Antal

TITLE: Stable temperature distribution (in case of convective heat transfer) in a cylindrical fuel cell of the active zone of a heterogeneous nuclear reactor

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 7, 1962, 4, abstract 42.7.13. "Magyar tud. akad. Közép. fiz. kutató int. közl.", v. 9, no. 1-2, 1961, 3-23, III, IX. [Abstracter's note: Original language Hungarian].

TEXT: A solution is presented of the differential equation for convective heat transfer in finite and infinite fuel elements. For exact solutions the coolant temperature can not be reproduced without knowing the temperature distribution in each fuel element. For the solution of the given equation the temperature distribution along the fuel element is assumed to be unknown. A comparison is given between exact and approximate solutions. There are 9 figures and 13 references.

[Abstracter's note: Complete translation.]

Card 1/1

NEMET, G.; RASZL, K.; SZAVADOS, L.; SZEGHO, L.; TOROK, A.

Steady temperature distribution in the roll symmetrical cell of the active zone of heterogeneous reactors in case of convective heat transmission. Energia es atom 14 no.12:560-565 D '61.

NEMETH, Geza; RASZL, Karoly; SZABADOS, Laszlo; SZEGHO, Laszlo; TOROK, Antal

Stationary heat distribution in the cylinder-symmetric unit cell of the active zone of heterogeneous nuclear reactors in case of convective heat transfer. Koz fiz kozl MTA 9 no.1/2:3-23 '61.

1. Magyar Tudomanyos Akademia, Kozponti Fizikai Kutato Intesete, Reaktorfizikai es Technikai Laboratorium.

(Nuclear reactors)

HASZ, Istvan; VAJTA, Laszlo; KISS, Istvan; MORA, Ferenc; RASZTOCZKY, Erno;
DEKAN, Sandor

Organizational questions of the gas industry. Energia es atom
13 no.3:117-121 Mr '60.

1. Fovarosi Gazmivek (for Kiss). 2. Budapesti Partbizottsag Ipari
Osztalya (for Dekan).

SZABO, Bendeguz; BORBAS, Nandor; RASZTOCZKY, Erno; LANGFFY, Kazmer;
SCHROFF, Antal; VERES, Lajos.

The November 12, 1963 session arranged by the Committee of
Factory Energeticists. Ipari energia 4 no.12:279 D'63.

1. KGMTI (for Rasztochky). 2. Kobanyi Gyogyszeergyar
(for Langffy). 3. Rezhengermuvek (for Schroff).
4. Magyar Posztogyar.

1. Division Chief, Road and Railroad Planning Enterprise, Solapest (for Burkus). 2. Road and Railroad Planning Enterprise, Budapest (for Rasztorsky and Olah).

RAT, D.

Improve the service industries for workers. Fin. SSSR 37
no.11:64-66 N'63. (MIRA 17:2)

1. Nachal'nik' otдела finansirovaniya narodnogo khozyaystva
L'vovskogo gorodskogo finansovogo otдела.

(A) L 11988-66

ACC NR: AP6000839

SOURCE CODE: UR/0244/65/024/005/0036/0042

AUTHOR: Slavokhova, Z.; Rat, R.; Platser, Z.; Mashek, I. (Director, Professor, Doctor)

ORG: Nutrition Institute, Prague, Czechoslovakia (Institut pitaniya) ¹⁹B

TITLE: Certain aspects of obesity pathogenesis and therapy

SOURCE: Voprosy pitaniy, v. 24, no. 5, 1965, 36-42

TOPIC TAGS: nutrition, pathogenesis, physiotherapy, chemotherapy

ABSTRACT: The effects of physical exercise, steroids and thyroid preparations on weight reducing therapy were investigated in experiments on women ages 19 to 38 yrs. clinically diagnosed as obese (81 to 105 kg) with no complicating factors. Following a preliminary period during which subjects were on a 2,300 calorie diet, they were divided into two groups and both were placed on a 1,200 calorie diet (140 g of carbohydrates, 73 g of protein, and 40 g of fat). The first group followed the regular hospital schedule with daily 4 hr walks and 8 hrs of sleep. The second group exercised (physical exercises, swimming, and sports) 4 hrs daily. At the end of two weeks weight losses for both groups were approximately the same (.15 kg a day); but, with a hydrostatic method of

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UDC: 616-056.52-092+616-056.58-083.2

L 11988-66

ACC NR: AP6000839

weighing, it was found that the exercising group lost mostly fatty tissue and the nonexercising group lost mostly non-fatty tissue. In other experiments the authors found that physical exercise combined with appetite depressants, and in some cases with steroids, helps maintain a favorable nitrogen balance and weight losses are primarily at the expense of fatty tissue. Use of thyroid preparations in the absence of hypothyroidism produces rapid weight losses, approximately twice as high as in controls, and is shortly followed by symptoms of medication induced hyperthyroidism. More recent experimental and clinical data on obesity pathogenesis indicate that the role of certain other factors should be more carefully studied: regularity of meals, prolonged exposure to substances affecting lipometabolism (e.g. DDT), stress stimuli, and absolute or relative deficiencies of certain nutritional substances. Orig. art. has: 2 tables and 3 figures.

SUB CODE: 06/ SUBM DATE: 07Oct64/ ORIG REF: 005/ OTH REF: 019

HW
Card 2/2

SOV/110-59-8-19/24

AUTHORS: Rat, Ye.L., Solov'yev, A.V., Engineers.

TITLE: Mechanisation of the Foundry in an Electrical Engineering Works.

PERIODICAL: Vestnik elektropromyshlennosti 1959, Nr 8, pp 72 (USSR)

ABSTRACT: The works foundry was mechanised for greater production. The output of moulding machines was increased by installing additional rapping tables and rearranging transport facilities. The measures adopted are outlined. The arrangements for removing the castings from the moulds using shaking machines are described. The castings are fettled on the shaker, and then painted while on a conveyor which transfers them to store.

Card 1/1

RAT, Yu. D. Cand Tech Sci -- (diss) "The ~~the~~ arched and closed timber of horizontal mines." Alma-Ata, 1959. 16 pp with illustrations (Min of Higher Education USSR. Kazakh Mining Metallurgical Inst), 150 copies (KL, 48-59, 115)

RATAJ, Janusz, dr inz. (Gdansk)

Technological progress in protecting a harbor quay from
the aggression and mechanical action of water. Gosp
wodna 24 no. 1: 23-24 Ja '64.

RATAJ, Janusz (Gdansk)

Humidity-proof insulations; their design and performance.
Przeł budowl i bud mieszk 33 no. 10:618-620 O. '61.

L 25853-66 EWP(v)/EWP(k)/EWP(h)/EWP(1)
 ACC NR: AP5024849 (A) SOURCE CODE: CZ/0078/65/000/009/0013/0013

AUTHOR: Rataj, Miroslav (Prague) 71
 83

ORG: none

TITLE: Czech patent no. 1446-64 Automatic machine for separating semiconductor diodes/ 14

SOURCE: Vynalez, no. 9, 1965, 13

TOPIC TAGS: automatic machine, ~~automatic~~, semiconductor diode, electrode, control circuit, electric relay, electric switch, switching circuit, ~~automatic~~ automatic contact

TRANSLATION: The automatic machine for separating semiconductor diodes according to their electric power has the metering contacts connected with the metering elements by a connection for automatic polarity reversal of diode electrodes, and has the control input connected with the contact of the first relay in the relay unit, characterized by the fact that the two outlet clamps of the connection for automatic polarity reversal of diode electrodes are further connected by contacts of the relay unit, in which a relay with a contact, present at each functional interval of the separating operation of the automatic machine, is connected through pole winding with the feed by make contacts of the rotational changeover switch. The voltage source for diode conduction measurement is grounded through one outlet and connected through another to the first outlet clamp of the connection for automatic polarity reversal of diode

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L 25853-66

ACC NR: AP5024849

electrodes by the first make contact of the second relay. The voltage source for measuring the blocked resistance of the diodes is grounded through one outlet and connected through another to the first outlet clamp of the connection for automatic polarity reversal of diode electrodes by the first make contact of the third relay. The current source for setting the electric separation limits by the diode conduction is grounded through one outlet and connected through another to the second outlet clamp of the connection for automatic polarity reversal of the diode electrodes by the second make contact of the second relay. The current source for setting the electric separation limits by the diode conduction is grounded through one outlet and connected through another to the second outlet clamp of the connection for automatic polarity reversal of diode electrodes by the second make contact of the third relay and by the second break contact of the fourth relay. To these is also connected the control circuit input by the first break contact of the fourth relay and by the parallel connected make contacts b) and c) of the second and third relay, and the input of the electric instability amplifier by the second make contact of the fourth relay. The output of the electric instability amplifier is connected to a rectifier with an RC smoothing element, which is also connected to the further voltage source by a summing resistance divider, and its second outlet is grounded. The tap of the resistance divider is connected with the third make contact of the fourth relay, connecting the input of the control circuit whose output is further connected with the input of the first memory circuit by the fourth make contact of the second relay. The output of

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L 25853-66

ACC NR: AP5024849

the control circuit is next connected with the input of the second memory circuit by the fourth make contact of the third relay and by the third break contact of the fourth relay, then the output of the control circuit is connected with the input of the third memory circuit by the third make contact of the fourth relay. The inputs of the memory circuits, the auxiliary input of the connection for automatic polarity reversal of diode electrodes, and the make contact of the fifth relay are connected to the inputs of the evaluation element, whose outputs are connected to electromagnetic partitions distributing the separated diodes to the appropriate discharge pockets.

SUB CODE: 09,13 / SUBM DATE: 17Mar64

Card 3/3 1161

RATAJ, K.

AGRICULTURE

PERIODICAL: VESTNIK, VOL. 6, No. 2, 1959

Vasak, V.; Rataj, K. New possibilities in the struggle against
laying down of flax and news concerning flax protection.
p. 81

Monthly List of East European Accessions. (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

MATAJ, KAREL.

Skudci a choroby prackych rostlin. (Vyd. 2.)

Praha, Czechoslovakia. Statni zemedelske nakl., 1951. 271 p.

Monthly List of East European Accessions (KEAI), LC. Vol. 9, no. 2.
Feb. 1960. Uncl.

RATAJ, Karel, Inz.C., nositel Radu Prace

Successful fight against the flax beetle (*Longitarsus parvulus* Payk.
and *Aphthona euphorbiae* Schrank.) Vestnik CSAZV 8 no.4:208-210 '61.
(EEAI 10:6)

1. Vyzkumna stanice pradnych rostlin Ceskoslovenske akademie
zemedelskych ved, Superk-Temenice.
(Czechoslovakia--Flax)
(Czechoslovakia--*Longitarsus parvulus*)
(Czechoslovakia--*Aphthona euphorbiae*)

RATAJ, Karel, nositel Radu prace

Use of herbicides in flax cultivation. Agrochem 2 no.2:46-48 '62.

RATAJ, Karel, nositel Radu prace.

Use of herbicides in flax cultivation. Agrochem 2 no.3:71 '62.

RATAJ, Karel, CSc. nabitel Radu prace

Solved tasks on cultivation of fiber plants and legumes.
Vest nat zem' 12 no.1:2-7 '65.

1. Agricultural Research Station, Sumperk-Temenice.

Harrow - and branch-drawing machines. (To be contd.) Mechanizatsiya, p.111.

IZVESTIYA SVETU. (Ministerstvo sverkhnikiti)
Prague, Czechoslovakia Vol. 7, no. 10, Oct. 1959

Monthly List of East European Accession, (EEA1), LC, Vol. 8, No. 12, Dec. 1959
Uncl.

RATAJ, M.

Ditch and trench-digging machines. (Conclusion) Mechanizace. p. 126.

INZENYRSKE STAVBY. (Ministerstvo stavebnictvi) Praha, Czechoslovakia.
Vol. 7, no. 11, Nov. 1959

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan.
1960

Uncl.

RATAJ, Milon, inz.

New method of planning the need of machinery in the building industry. Inz stavby 11 no.8:Suppl.: Mechanizace no.8:113-115 '63.

1. Vyzkumny ustav pozemnich staveb, Praha.

RATAJ, Milon, inz.

Machines for earthmoving from nonbearing and sludgy soils and
for dredging gravel from water. Inz stavby 10 no.12:Suppl.:
Mechanizace no.12:144-146 '62.

1. Vyzkumny ustav stavebni vyroby, Praha.

9,4150 (1140)

Z/005/60/000/012/012/031
A121/A127

AUTHOR: Rataj, Miroslav (Prague)

TITLE: None given

PERIODICAL: Vynález, no. 12, 1960, 6

TEXT: (21a², 18/08; Registered March 17, 1960; Patent Application 1812-60). Cathodic scanner with automatic stabilization of d-c quiescent point, characterized by the connection of the input d-c voltage and the condenser between the grounded main input terminal and an additional main input terminal. To the latter terminal a further input terminal and the output terminal of the phase detector with a filter unit are connected. By means of a further condenser the second input terminal of the phase detector is connected to the cathodic scanner anode circuit whereas the second output terminal is connected through a resistance to the cathodic scanner grid. Further, terminal is connected to the input, the main input of the comparison circuit, which is synchronously controlled by a phase detector by means of a-c voltage, advantageously by the supplying a-c voltage. Thereby the second input of the comparison circuit is connected to a further output of the cathodic scanner and to the main

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23049

None given

Z/005/60/000/012/012/031
A121/A127

output terminal. The output of the comparison circuit is connected through a further condenser to the cathodic scanner grid, the remaining input and output terminals of which are grounded together with the grounded main output terminal. An additional condenser is inserted between this grounded main output terminal and the second main output terminal. Two points of the definition of the patent follow.

Card 2/2

RATAJ, Ryszard; SZAYNA, Zbigniew

Hypertrophic arthropathy of the feet in the lumbosacral form of syringomyelia. Neurol neurochir psych 12 no.6:921-924 N-D '62.

1. Klinika Neurologiczna, Akademia Medyczna, Krakow. Kierownik: prof. dr med. W. Jakimowicz.

MROZEK, Jan; RATAJ, Ryszard

A case of osteoarthropathy during the course of syringomyelia. Pol.
tyg. lek. 17 no.18:722-724 30 Ap '62.

1. Z Wojewodzkiej Poradni Reumatologicznej i Wojewodzkiej Poradni
Neurologicznej w Krakowie; konsultanci: prof. dr med. A. Sokolowski
i lek. B. Pajak.

(SYRINGOMYELIA compl) (JOINTS dis)

RATAJ, Ryszard

Tabetic osteoarthropathy of the 3d lumbar vertebra with cauda equina compression syndrome. Polski tygod. lek. 17 no.25:1000-1001 18 Je '62.

1. Z Kliniki Neurologicznej AM w Krakowie: kierownik: prof. dr
Wl. Jakimowicz.

(TABES DORSALIS compl) (CAUDA EQUINA dis)

RATAJ, Ryszard

Errors in the diagnosis of syringomyelic arthropathies. Pol.
tyg. lek. 18 no.40:1485-1489 30 S 163.

1. Z Kliniki Neurologicznej AM w Krakowie; kierownik: prof.
dr med. Wl. Jakimowicz.

(SYRINGOMYELIA) (JOINT DISEASES)
(DIAGNOSIS, DIFFERENTIAL) (HUMERUS)
(BONE NEOPLASMS) (NEOPLASM DIAGNOSIS)
(ELBOW)

RATAJ, Ryszard

Arthropathies in syringomyelia. Neurol., neurochir., psychiat.
Pol. 14 no.3:439-445 My-Je '64

1. Z Kliniki Neurologicznej Akademii Medycznej w Krakowie.
(Kierownik: prof. dr. W. Jakimowicz)

RATAJ, Ryszard

Paralysis of the oculomotor nerves in diabetes. Neurol., neuro-
chir., psychiat. Pol. 15 no.1:175-177 Ja-F'65.

1. Z Kliniki Neurologicznej Akademii Medycznej w Krakowie
(Kierownik: prof. dr. W. Jakimowicz).

PATAT, P.

Electric welding of the small reinforcements of high-tension wiring by means of cross sections. p.57.
(Zvaranie, Vol. 6, No. 2, Feb. 1957, Bratislava, Czechoslovakia)

SC: Monthly List of East European Accessions (EEAL) 10. Vol. 6, No. 9, Sept. 1957. Uncl.

L 40-75-66 P(V)/T/E/P(-)/EII/E.P(K)/AP(h)/A (1)
ACC NR: AP6023651 (A, N) SOURCE CODE: GE/0051/66/000/007/0407/0408 35

AUTHOR: Ratajczak, G. (Ribnitz-Damgarten): Paul, M. (Rostock)

ORG: none

TITLE: Propulsion mechanism for a fully automatic welding apparatus for welding in a difficult position 14 16

SOURCE: Schiffbautechnik, no. 7, 1966, 407-408

TOPIC TAGS: welding, automatic welding, seam welding, welding equipment

ABSTRACT: This Author Certificate introduces a mechanism for moving a fully automatic welder along a weld seam without using guide rails and electric power (see Fig. 1).



Fig. 1. Propulsion mechanism for welding apparatus (the foreplate 4 is removed)

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L 40370-6

ACC NR: AP6023651

A frame 1 has a copper shoe 2 on its lower end, and on its upper end are two knurled wheels 3 pressed onto an axle 7. A bolt 5 between plates 4 holds a lever 6 connected to an axle 8 and bearing another shoe 7, which is pressed onto a shoe 2 by means of a butterfly net 9 and a spring 10. A transverse axle 8 has a girder 11 on both sides of the weld seam with wheels 12 and 13 on its ends to provide easy movement. A swiveling bolt 14 passes through the weld joint and is axially movable in the frame 1; a helical spring 16 over its threaded end is retained by a handle 15. Orig. art. has: 1 figure. [CE]

SUB CODE: 13/ SUBM DATE: 29Mar63/ ATD PRESS: 5053

Card 212 MLP

L 45423-66 EWP(t)/ETI IJP(c) JD/HM

ACC NR: AP6026378 (N) SOURCE CODE: GE/0030/66/015/001/0137/0139

AUTHOR: Contarz, R.; Ratajczak, H.; Suda, P.

ORG: [Contarez; Ratajczak] Laboratory of Ferromagnetics, Institute of Physics,
Polish Academy of Sciences, Poznan; [Suda] Institute of Physics, Czechoslovak
Academy of Sciences, Prague

TITLE: Stresses in thin Ni-films with uniaxial anisotropy

SOURCE: Physica status solidi, v. 15, no. 1, 1966, 137-139

TOPIC TAGS: uniaxial anisotropy, linear stress, nickel film

ABSTRACT: Measurements are made of linear stresses in Ni-films deposited at angles of incidence of the vapor ranging from 0 to 80°, perpendicular (σ_z) and parallel (σ_w) to the plane of incidence. The stresses are found to increase for small angles and to decrease for angles above 20°. The σ_z stresses decrease more rapidly, and become negative above 60°. The dependence of the stresses on the angle of incidence of the vapor can be explained in terms of the anisotropy of the

Card 1/2

L 45423-66

ACC NR: A10026378

porosity. The authors thank Prof. Dr. S. Szezeniowski for his interest throughout this work and for stimulating discussions. Orig. art. has: 1 figure and 1 table.
[Authors' abstract] [KS]

SUB CODE: 20/ SUBM DATE: 05Feb66/ OTH REF: 011/

hs

Card 2/2

RATAJAC, Miodir, ing., asistent

Suspension bridge over Jablanicko jezero; results of testing. Saop
Inst isp mat Srb 9 no.15:25-36 J1 '61.

RATAJAC, Miodir, ing., asistent

Test loading of a reinforced concrete bridge on the road Beograd,
Kraljevo (km 1 830). Saop Inst isp mat Srb 9 no.15:37-45 J1 '61.

RATAJAC, Miodir, ing. (Beograd, Save Kovacevica 8)

Results of the statistical and dynamical tests of a consolidated bridge of the three hinged arch type. Tehnika Jug 17 no.1:32-42 Ja '62.

1. Cooperator of the Institute for Testing of Materials of the P.R. of Serbia, Beograd.

(Bridges--Testing)

RATAJAC, Miodir, inž., asistent

Admissible stresses in old steel bridges. Saop Inst isp mat Srb 11
no.19:33-45 My '63.

1. Institut za ispitivanje materijala IR Srbije.

RATAJAC, Milomir, inž., asistent

Some observations in testing road suspension bridges for
pedestrians. Soap Inst isp mat Srb 11 no.20:89-100 Ag '63.

1. Institut za ispitivanje materijala SR Srbije, Beograd.

PATAJAC, Miodir, ins., asistent

Effects of a nonsymmetrical loading of highway bridges. Saop.
Inst isp mat Srb 10 no.18:21-31 S '62.

RATAJAC, Miodir, inž. (Beograd, Save Kovacevica 8)

Some results in testing the prestressed-concrete bridges. Tehnika
Jug 17 no.9:Suppl. Građevinarstvo 16 no.9:1670-1675 3 '62.

1. Saradnik Instituta za ispitivanje materijala NR Srbije, Beograd.

RATIA SCHE, H.

7
Optically active P-ethoxy-P-ethyloxophosphoranesulfonyl
chlorides. J. Michalski and A. Ratajczak (Tech. Univ.
Łódź, Poland). *Chem. & Ind.* 1959, 839-40. Optical ac-
tivity for unsym. substituted P was established by prepn.
of the optically active isomers of P-ethoxy-P-ethyloxophos-
phoranesulfonyl chloride (I). O-Ethyl-P-ethyloxophos-
phoranesulfonyl acid was resolved by quinine to the (+)-acid, b_p
89-90°, n_D²⁰ 1.489, α 14.5° (neat, 1 dm.), and the (-)-acid,
b_p 85-86°, n_D²⁰ 1.4902, α -14.8°. These and sulfonyl
chloride gave the active forms of I, the intense color of
which precluded detn. of optical activity. However,
78 (+)-I and C₂H₅ gave (+)-O-ethyl-S-(2-chloroethyl)-P-
ethylphosphonothionate, b_p 64-65°, n_D²⁰ 1.4921, α 43.3°,
while (-)-I gave the corresponding (-)-ester, b_p 64-65°,
n_D²⁰ 1.4928, α -42.6°. Olden B. Paris

4
2-Jay (NB) (May)

SUSZKO, J.; RATAJCZAK, A.

On the synthesis of some twice-substituted thianthrenes. *Bul Ac Pol chim* 7 no.5:275-278 '59. (EEAI 9:9)

1. Zaklad Chemii Organicznej, Uniwersytet im. A.Mickiewicza,
Poznan i Instytut Syntezy Organicznej PAN. Vorgelegt von J.Suszk.
(Thianthrene)

RATNICKI, A.

Research on the structure of the thianthrene particle; an author's report. p. 374.

WIADOMOŚCI CHEMICZNE. (Polskie Towarzystwo Chemiczne) Wrocław, Poland. Vol. 12, no. 6, June 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 8, August 1959.
UNCL

RATAJCZAK, A.

Organophosphorus compounds of sulfur and selenium. Pts. 17-18.
Bul Chim PAN 12 no. 3:139-148 '64.

1. Department of Organic Chemistry, Technical University, Lodz.
Presented by J. Michalski.

MICHALSKI, Jan; RATAJCZAK, Aleksander

Organophosphorus compounds of sulfur and selenium. Pt. 21.
Rocz chemii 36 no.4:775-776 '62.

1. Department of Organic Chemistry, Technical University, Lodz.

MICHALSKI, Jan; RATAJCZAK, Aleksander

Organophosphorus compounds of sulfur and selenium. Pt. 20.
Rocz chemii 36 no.5:911-919 '62.

1. Department of Organic Chemistry, Institute of Technology,
Lodz.

RATAJCZAK, Aleksander

The synthesis of asymmetric phosphinothioic acids $RR'P(S)OH$.
Rocz chemii 36 no.1:175-176 '62.

1. Department of Organic Chemistry, Institute of Technology, Lodz.

TERPILOWSKI, J.; RATAJCZAK, E.

Thermodynamic properties of CdSe and CdTe. *Bul chim PAN* 12 no.6:
355-358 '64.

1. Department of Inorganic Chemistry of the Division of Pharmacy
of the School of Medicine, Wrocław. Submitted April 6, 1964.

L 3306-66 EWT(1)/EPF(c) IJP(c) WW/GG
ACCESSION NR: AP5022617

PO/0045/65/028/001/0011/0016

AUTHOR: Ratajczak, H. 44, 85

TITLE: Photoelectric polarimeter for measurements of small rotation angles of polarization of light 39 36 B

SOURCE: Acta physica polonica, v. 28, no. 1, 1965, 11-16 21, 44, 85

TOPIC TAGS: photoelectric polarimeter, polarimeter, polarization, light

ABSTRACT: A new type of photoelectric polarimeter is described which makes it possible to determine small rotation angles of the plane of polarization. The polarimeter has a photoelectric analyzer consisting of a half-shadow polaroid and two photomultipliers connected in a push-pull circuit. The half-shadow polaroid consists of two semicircular polaroid plates cut so that the angle between the plane of polarization and the line connecting the two semicircular plates is 2 degrees; thus, the total angle between the planes of polarization of the half-shadow polaroid is about 4 degrees. The two components of the

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L 3306-66

ACCESSION NR: AP5022617

split beam are directed onto two identical photomultiplier detectors. The photocurrent feeds a galvanometer which works as a coordinate recorder. With photomultipliers of high sensitivity and low noise level, the smallest readable angles are limited only by the scale of the micrometer. The polarimeter was used to measure the magnetic properties of thin ferromagnetic films by the method of the magneto-optical Faraday effect. Orig. art. has: 6 figures. [ZL]

ASSOCIATION: Ferromagnetics Laboratory, Institute of Physics, Polish Academy of Sciences, Poznan, Poland

SUBMITTED: 11Nov64

ENCL: 00

SUB CODE: OP

NO REF SOV: 000

OTHER: 012

ATD PRESS: 4117

Card 2/2

L 29703-66 EWP(J) PM
 ACC NR: AP0020866 SOURCE CODE: GE/0065/66/231/01-/0033/0041
 AUTHOR: Batajenzak, Henryk (Doctor; Wroclaw) 29
 ORG: Department for Physical Chemistry, University of Wroclaw, Wroclaw, Poland B
 TITLE: Dielectric titration studies on acid-base complexes 1
 SOURCE: Zeitschrift für physikalische Chemie, v. 231, no. 1-2, 1966, 33-41
 TOPIC TAGS: pyridine, phenol, titrimetry
 ABSTRACT: By using the dielectric titration method it was shown that phenols form complexes with triethylamine and N-ethylpiperidine. The ratios found were 1:1, 2:1, or nil, depending on concentration. With pyridine and 2,6-lutidine in the same concentration range, phenols form only 1:1 complexes. The structure of the complexes was discussed by assuming the possibility of the conjugation of the π -electron via the hydrogen bridge. The author thanks Dr. A. Julg, Dr. M. Davies, Dr. W. J. Orville, Thomas and Dr. L. Sobczyk for helpful discussions. Orig. art. has: 4 figures and 2 formulas. [Orig. art. in Eng.] [JPRS]
 SUB CODE: 07 / SUBM DATE: 20Sep64 / ORIG REF: 001 / OTH REF: 017
 SOV REF: 003

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